

Fig. 1

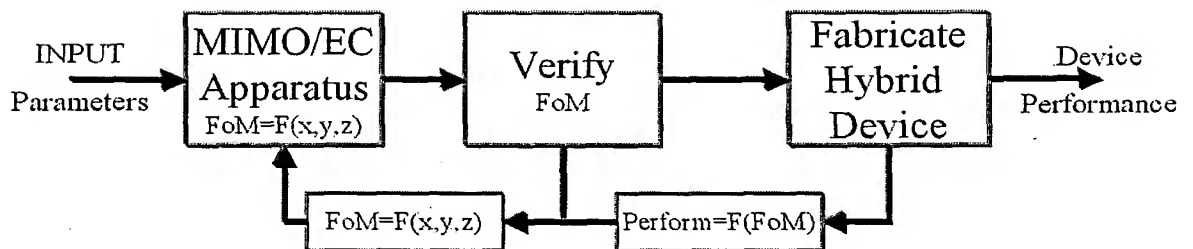


Fig. 2

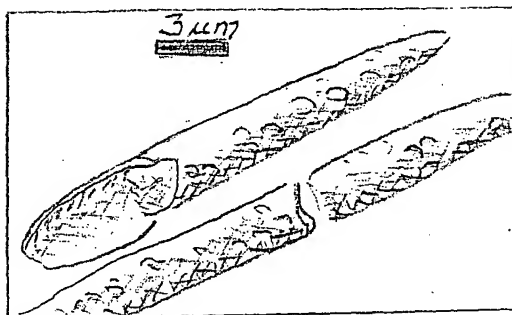


Fig. 3

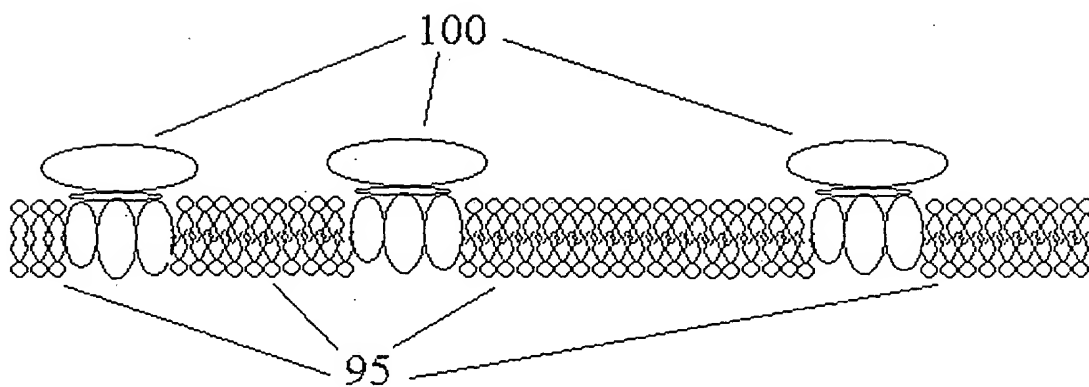
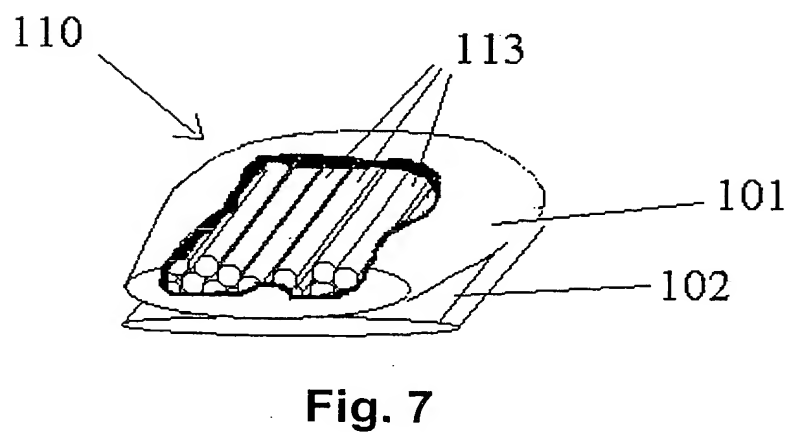
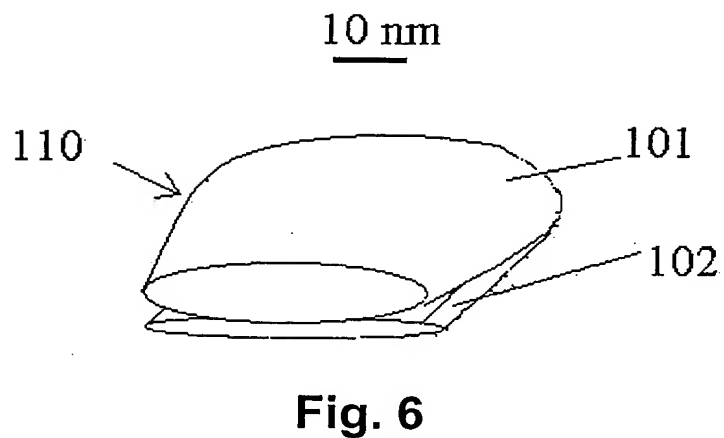
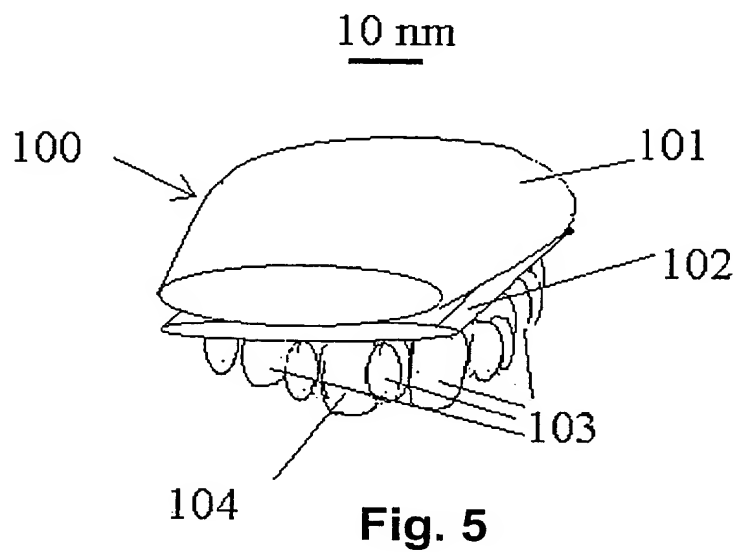


Fig. 4



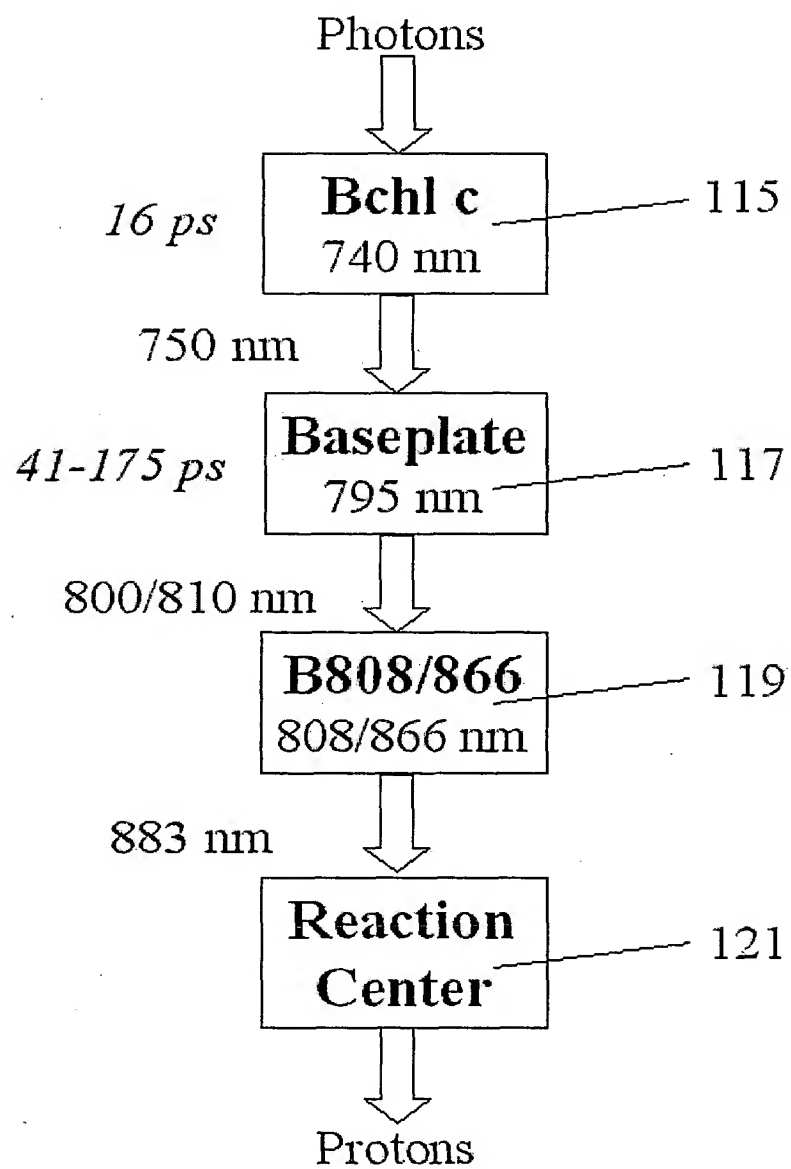


Fig. 8

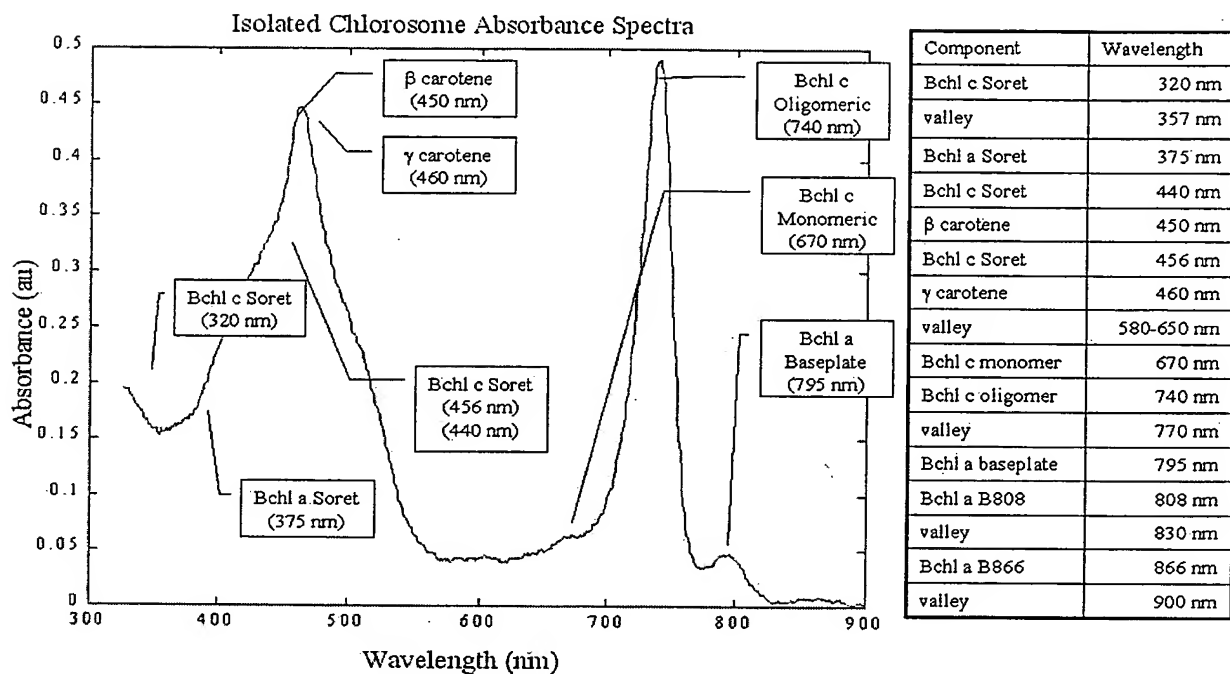


Fig. 9

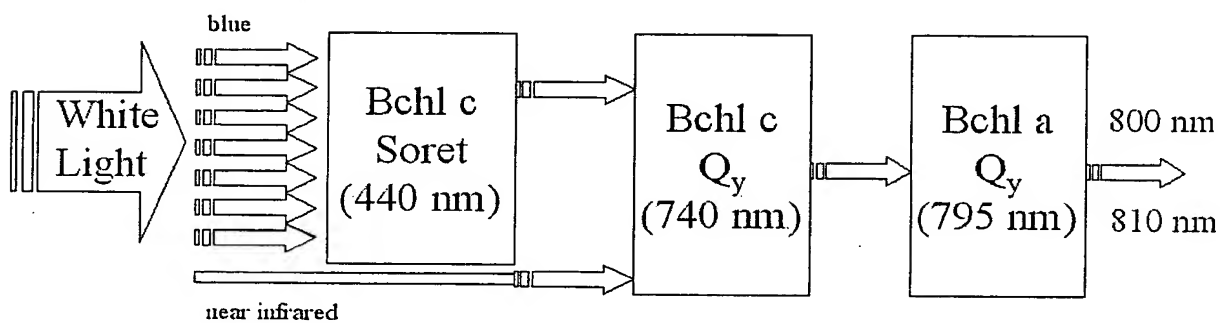


Fig. 10

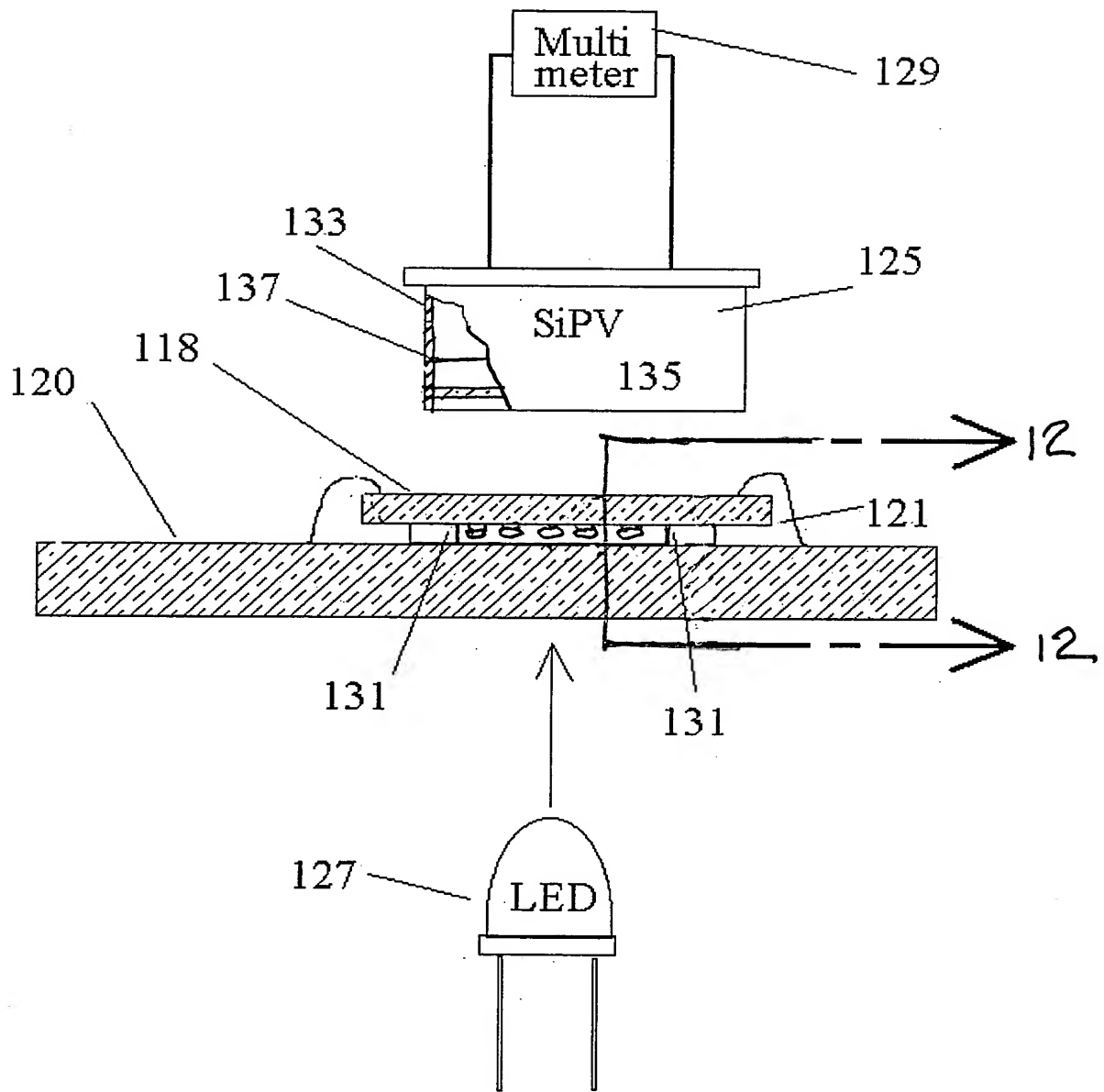


Fig. 11

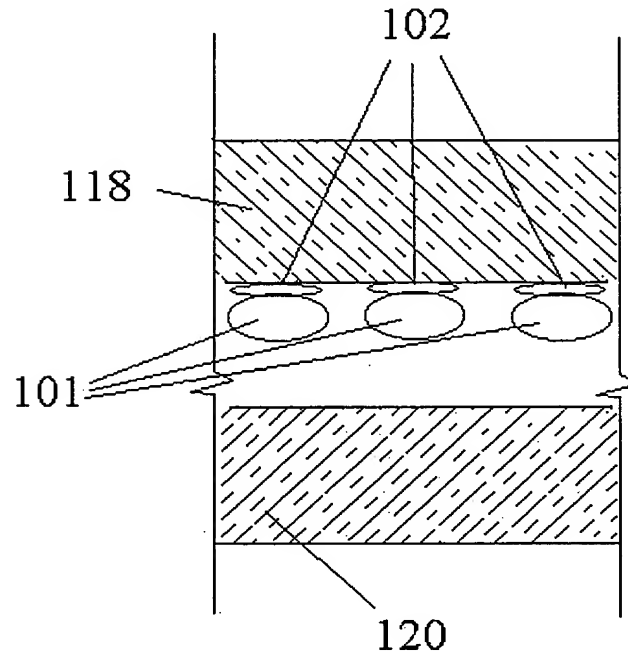


Fig. 12

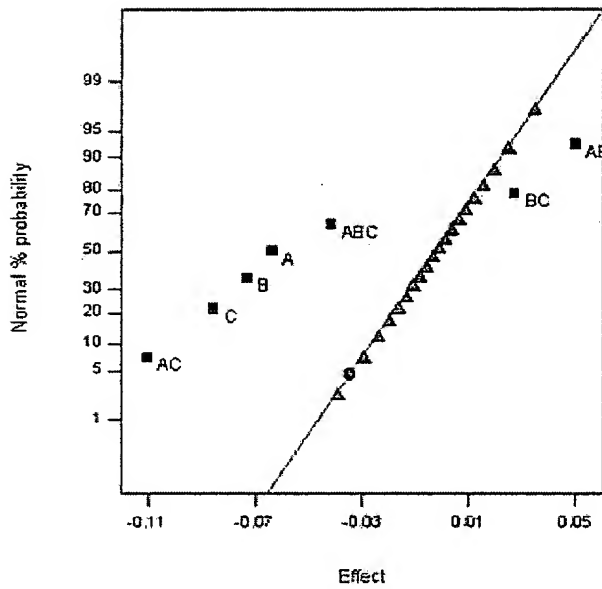


Fig. 13a

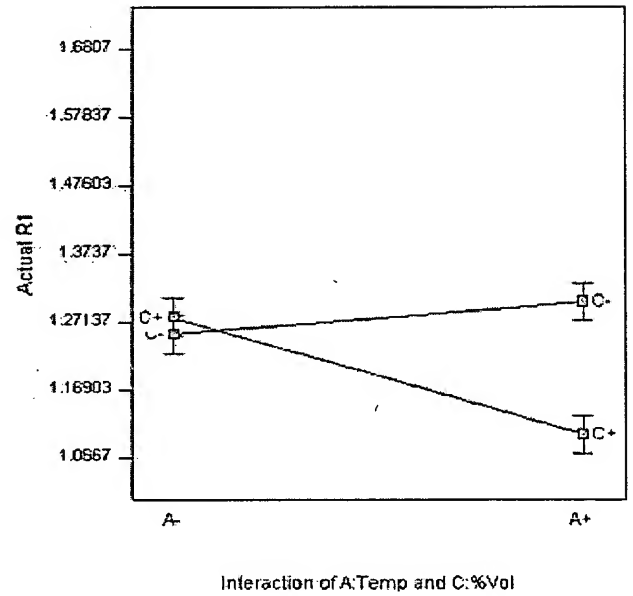


Fig. 13b

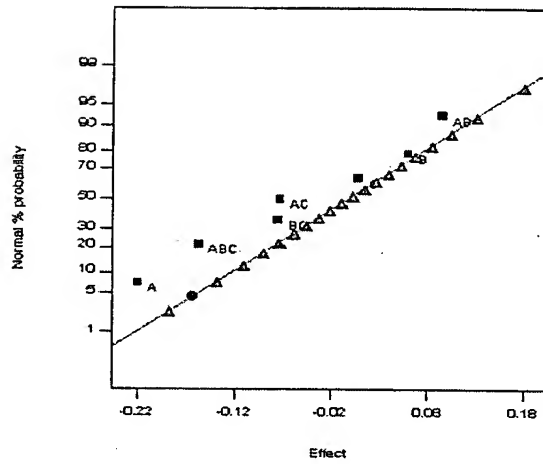


Fig. 14a

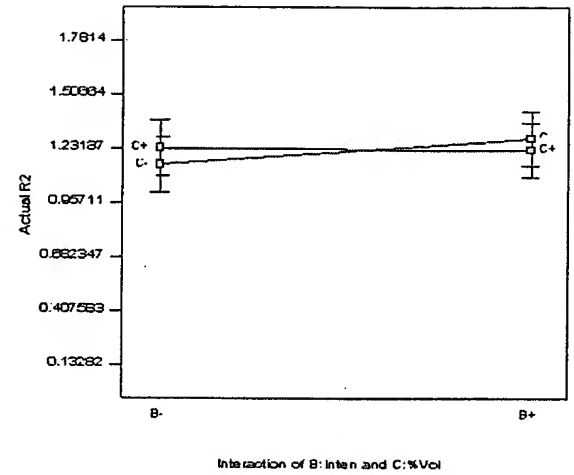


Fig. 14b

Absorbance for 3 replicates for [1:1] cfx (stock) whole cells

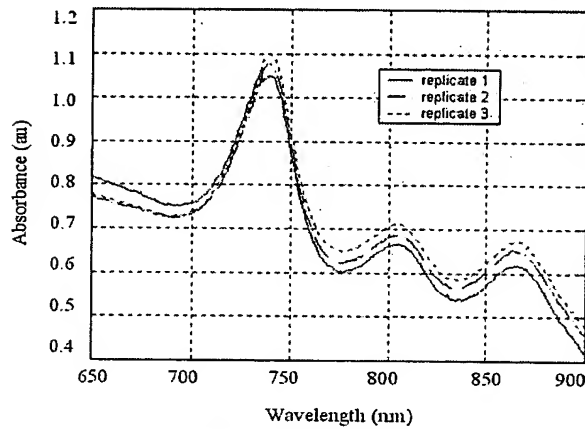


Fig. 15a

Absorbance for serial dilutions of cfx whole cells

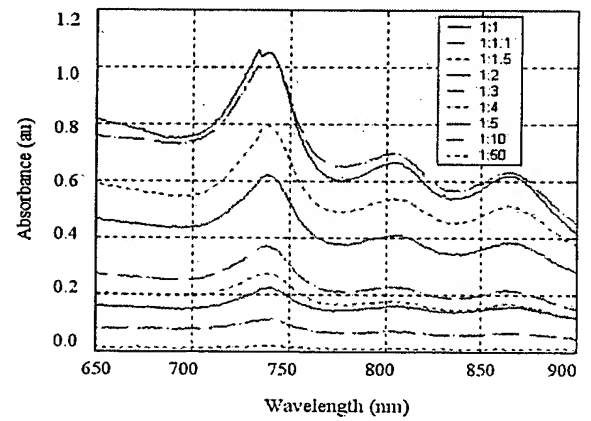


Fig. 15b

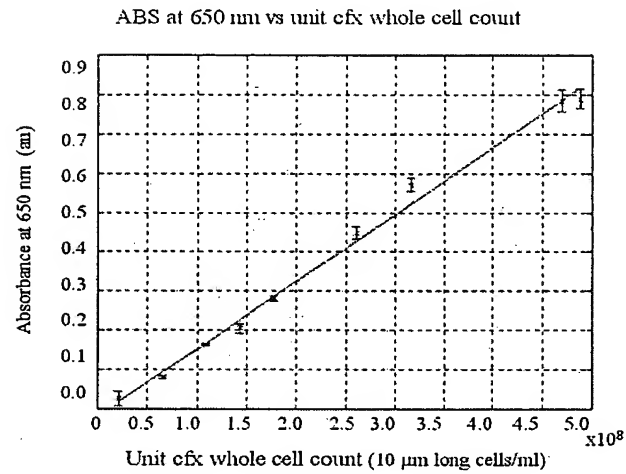


Fig. 16a

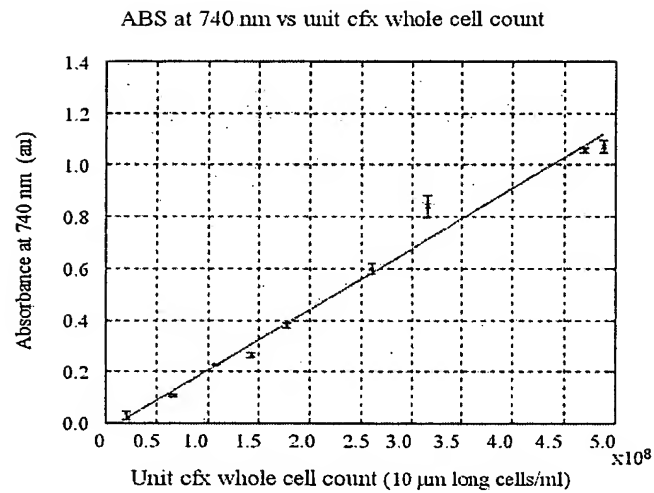


Fig. 16b

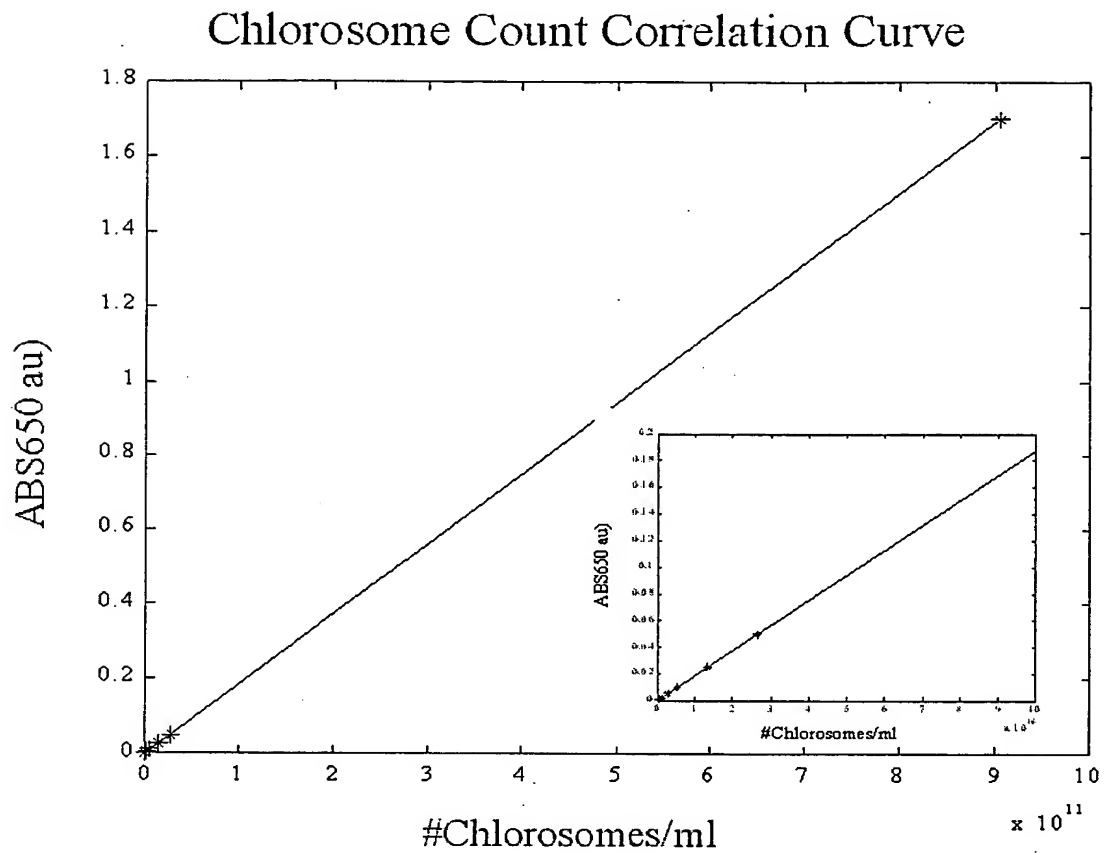


Fig. 17

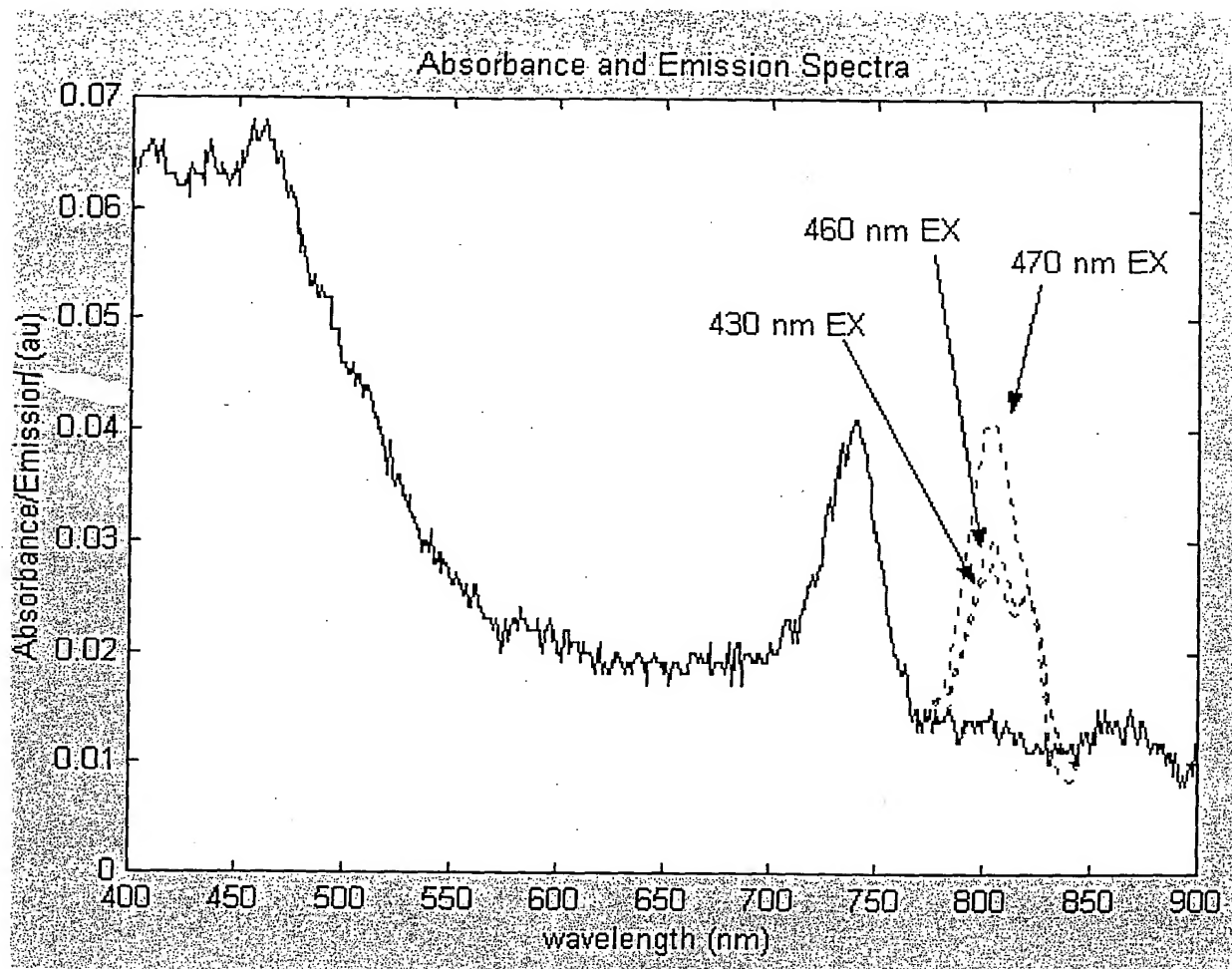


Fig. 18

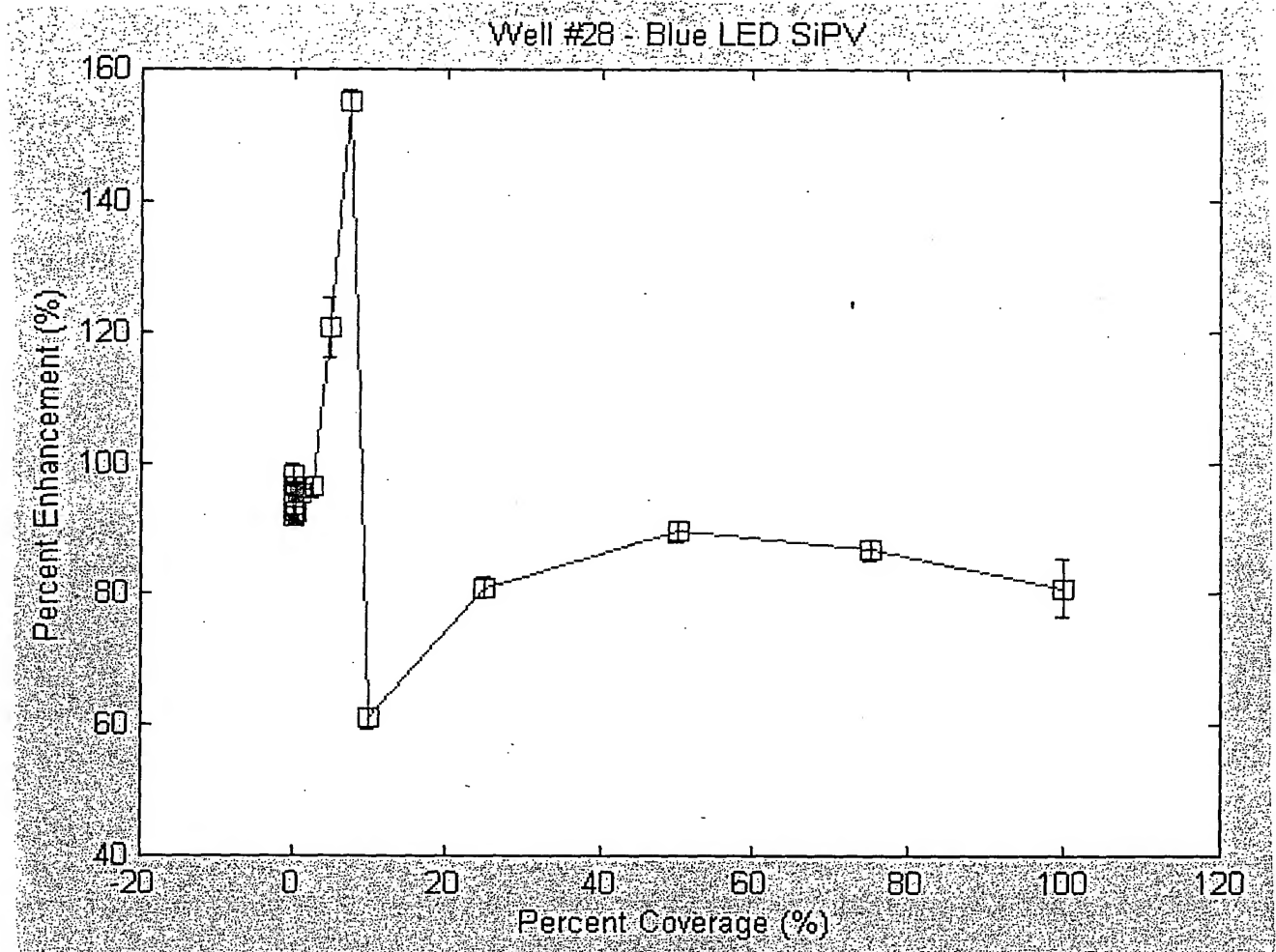


Fig. 19

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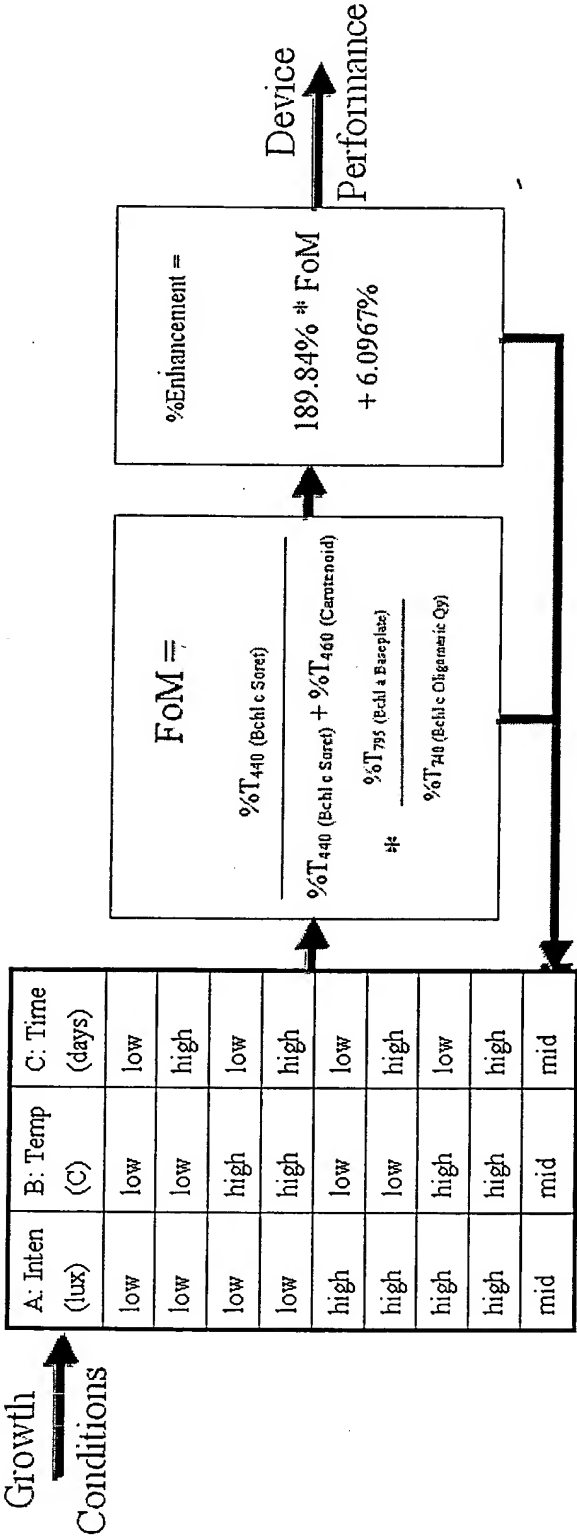


Fig. 20

Photonic Figure of Merit

=

%T₄₄₀ (Bchl c Soret)

%T₇₉₅ (Bchl a Baseplate)

X

%T₄₄₀ (Bchl c Soret) + %T₄₆₀ (carotenoid)

%T₇₄₀ (Bchl c oligomeric Q_y)

	% T 795	% T 740	% T 460	% T 440
	Bchl a	Bchl c	carotenoid	Soret
Well 1	0.9625	0.6067	0.6417	0.7034
Well 21	0.9555	0.8044	0.5703	0.5985
Well 22	0.9502	0.7948	0.565	0.5908
Well 23	0.9553	0.8997	0.8599	0.8671
Well 24	0.9569	0.9237	0.8731	0.8738
Well 26	0.9566	0.8732	0.7793	0.7896
Well 28	0.9541	0.6126	0.6421	0.7161

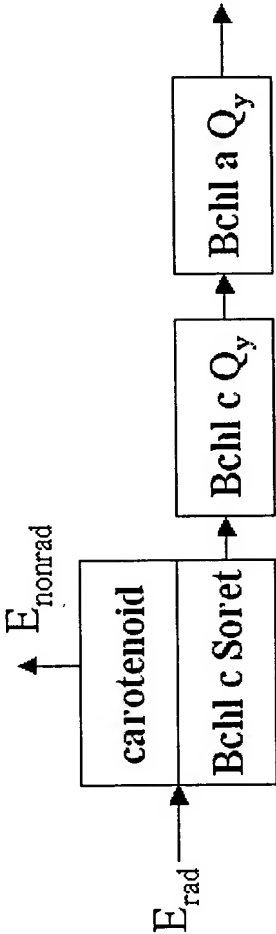


Fig. 21a

Fig. 21

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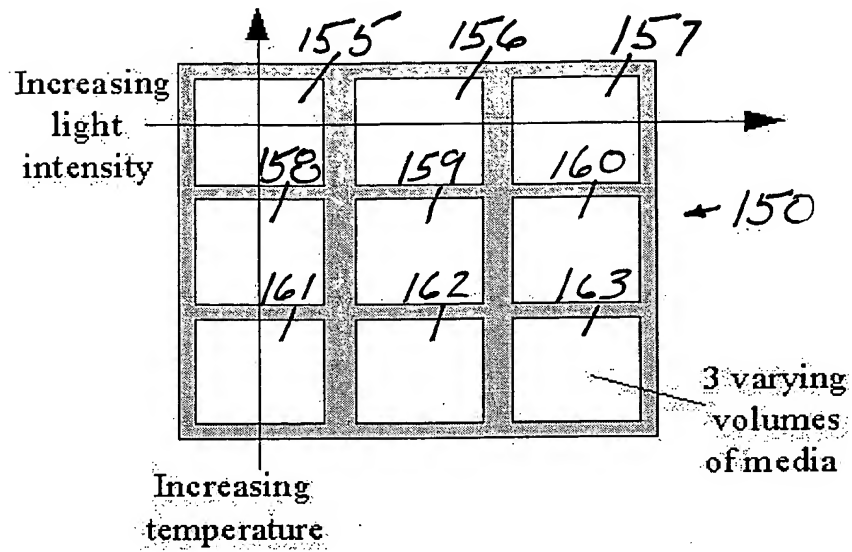


FIG. 22

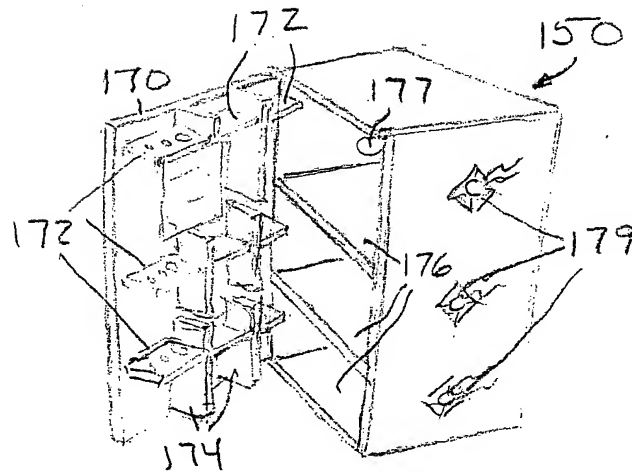


FIG. 23